1651

TECH CENTER 1600,2900

112/



RAW SEQUENCE LISTING

FATENT APPLICATION: US/09/734,613

DATE: 05/31/2001 TIME: 10:33:36

Input Set: A:\BRUGGEMANN.ST25.txt
Gutput Set: C:\CRF3\05312001\I734613.raw

15 · 150: PRIOR APPLICATION NUMBER: GB 9823930.4 16 · 151: PRIOR FILLING DATE: 1998-11-03 18 · 160 · NUMBER OF SEQ ID NOS: 27 20 · 170: SOFTWARE: PatientIn version 3.0	TERED
23 - 210 / SEQ ID NO: 1 23 - 211 - LENGTH: 79 24 - 212 / TYPE: DNA 25 - 213 / OFGANISM: Homo sapiens 27 < 400 / SEQUENCE: 1 28 aattetaaaa enacaaactg coccecca 31 - 210 / SEQ ID NO: 2 32 - 211 / LENGTH: 11	29
33 - 012 - TYPE: DUA 34 - 113 - OFGANIGM: Homo sapiens 36 - 400 - SEQUENCE: 2 37 mathetaqua etamaaactg c 40 - 110 - SEQ ID NO: 3 41 - 111 - LEUGTH: 13 42 - 012 - TYPE: DUA 43 - 213 - OFGANIGM: Homo sapiens	21
45 × 400 · SEQUENCE: 3 46 ctccgggta qaagtcac 49 · 010 · SEQ TE DO: 4 50 × 211 · LENGTH: D2 51 · 212 · TYPE: DNA 50 × 213 · GEGANISM: Homo sapiens 54 · 400 · SEQUENCE: 4	18
55 auttogting gentigiting of 58 - 110 - SED ID NO: 5 59 - 211 - LENGTH: 254 60 - 212 - TYPE: DNA 61 - 213 - OPGANISM: Homo sapiens 63 - 400 - SEQUENCE: 1 64 groundatua recepting agataaatti ggggataaat atgottigotig gtatoagoag	22 60
66 sagedagged agthecotgt gotggtdate tatdaagsta goaagogged otdagggate 68 obtgagegat tetrityjete daactotggg aadadagsda otdtgaddat dagegggade 70 saggstatag atgaggstga otattactgt daggggtgg adagsagdad tgda 73 - 11 - SED ID No: 6 74 - 111 - LENGTH: LS1 75 - 111 - TYPE: DNA	120 180 234

RAW SEQUENCE LISTING

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76 KB135 ORGANISM: Homo sapiens 78 KM005 SEQUENCE: 6	
79 godaacatda cotgiicigg agataaattg ggggataaat atgottgotg gtatcagcag	60
81 aagudaggdd agtodootat totgatoato tatoaagata acaggoggdo otcagggato	120
83 cotyagogat tototagoto caactotaga aacacagoda ototaaccat caacagagaacc	180
85 caygotatgg atqaggotga otattattgt caggogtggg accgcagcac t	231
88 -1210 - SEQ ID NO: 7	
89 (211 - LENGTH: 37	
90 KO12 - TYPE: DNA	
91 - 1138 ORGANISM: Homo sapiens	
93 <400 · SEQUENCE: 7	37
94 tigggigtic ggoggaggga ocaagotgad ogtocta - 67 2010s ero in no. 8	/
97 K210 SEQ ID NO: 8 98 K211 KENGTH: 36	
99 - 1212 - TYPE: DNA	
100 4313 OFGANISM: Homo sapiens	
102 <400 > SEQUENCE: 8	
103 tgggtatteg geggagggae etacetgace gteetg	36
106 <210> SEQ ID NO: 9	
107 <211> LENGTH: 232	
108 <2130 TYPE: DNA	
109 < 213 - ORGANISM: Homo sapiens	
111 <400 · SEQUENCE: 9	60
112 godagcatoa octgotogag agataaattg ggggaaacat atgtttootg gtatoggdag	60 120
114 aagedagged agtedectgt getgeteate tateaagata eeaagegaee eteagggate	180
116 cotgagogat tototggoto caactotggg aacacagoog ototgaccat cacogggacc 118 caggotttyg atgaggotga otattactgt caggogtggg acagogocac tg	232
121 + 210 > SEQ ID NO: 10	
122 × 211 × LENGTH: 37	
123 - 212 TYPE: DNA	
124 <213 > ORGANISM: Homo sapiens	
126 <400 - SEQUENCE: 10	
127 tgtggtatte ggeggaggga ecaagetgae egteeta	37
130 <210 > SEQ ID NO: 11	
131 < 211 · LENGTH: 35	
132 K212 TYPE: DNA	
133 <213 · ORGANISM: Homo sapiens	
135 4400 · SEQUENCE: 11	35
136 tggttttogg oggagggadd aaadtgadda todta 139 - 210 - SEQ ID NO: 12	
140 V211 · LENGTH: U39	
141 - 212 TYPE: DNA	
142 <213 · ORGANISM: Homo sapiens	
144 - (400) - SEQUENCE: 12	
145 gecaggates estgetetgg agatgeattg ceaaaaaaat atgettattg gtaccageag	60
147 aagtbaggdd aggeedetgt getggteate tatgaggaea geaaaegaee eteegggate	120
149 cotgagagat tototggoto cagotoaggg acaatggooa cottgactat cagtggggoo	180
151 daygtggagg atgaagetga etactactgt tactcaacag acagcagtgg taatcatag	239
154 <210 > SEQ ID NO: 13	

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155 + 211 > LENGTH: L39	
156 - L1 TYFE: 134	
157 - 213 - OFGANISM: Homo sapiens	
159 - 400 - SEQUENCE: 13	7.3
160 geological conjuntity agaignating chahaaaaat atgottatin giabbaycan	60
162 aagteagges aggeeestyt getygteate tetgaggaca geaaacgace etecygyate	120
164 ectquququu tenotygoto cagotoaggg acaatggood cottgactat cagtggggod	180
166 caggiggaag atgaagetga etaetaetgt taeteaacag acageagtag taeteatag	239
169 - 210 - SEQ IL NO: 14	
170 - 2112 LENGTH: 34	
171 <210 < TYPE: DNA	
172 <213 < ORGANISM: Homo sapiens	
174 · 400 · SEQUENCE: 14	5.4
175 ggtgttoggo ggagggadda agotgadogt oota	3.4
178 K210 KSEQ ID NO: 15	
179 - 211 - LENGTH: 246	
180 - 2122 TYPE: DDA	
181 - 213 - OFGANISM: Homo sapiens	
183 - 4002 SEQUENCE: 15	60
184 atcaccatot cotgoactgg aaccagcagt gacgttggtg gttataacta tgtotootgg	120
186 tacchacago acceaggoaa agoroccaaa otcatgattt atgaggtoag taatoggood	180
188 traggggttt ctaategett etetggetee aagtetggea acaeggeete eetgaeeate	240
190 totgigotoc aggotgagga ogaggotgat tattactgca gotcatatac aagcagcagc	246
192 actoto not and open to No. 16	
195 k210 k SEQ ID NO: 16 196 k211 k LENGTH: 243	
197 VIII VIINGIA. LAU 197 VIII VIINGIA.	
198 - 213 - OFGANISM: Homo sapiens	
200 - 400 · SEQUENCE: 16	
201 atcaccatct cotgcactgg aaccagcagt gacgttggtg gttctaactt tgtctcctgg	60
203 taccaacaac acchaggeaa ageececaaa etcatgattt atgatgteag ttateggeec	100
205 traggggttt ctaatrgett chetggeter aagtotggea acaeggeete eetgaceate	180
207 tetggetec aggetgagga egaggetgat tattaetgeg geteatatae aageageage	240
209 act	243
212 × 210 × SEQ ID NO: 17	
213 < 211 > LENGTH: 36	
214 k210 + TYPE: DNA	
215 < 213 - ORGANISM: Homo sapiens	
317 - 400 - SEQUENCE: 17	26
218 tgggngtteg degdagggae caagetgaee gteeta	36
/21 /210 / SEQ ID NO: 18	
323 - 211 - LENGTH: 339	
223 - 213 - TYFE: DNA	
124 - 213 - OFGANISM: Homo sapiens	
126 -400 - SEQUENCE: 18	60
227 gtouggatea catgodaagg agadageete agaagetatt atgoaagetg gtaccagdag	120
119 aagmaaggad waggroodtgt acttgtcate tatggtaaaa acaacegged etcagggate 131 boagaeegat tetetggete cageteagga aacacagett cettgaeeat caetgggget	180
231 caygoggaag atgaggetga ctattactgt aacteeeggg acageagtgg taaccatet	239
155 daygoggaag acgaggeega deaceacege adoceooggg adaggagg	



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Input Set : A:\BRUGGEMANN.ST25.txt

Our.nut Set: C:\CRF3\05312001\I734613.raw

1.00 - 210 SEQ ID NO: 10	
237 + 211 + LENGTH: 2:7	
237 · DIT · HEROIM · 2 · ·	
238 - 212 · TYPE: DNA	
139 - 217 ORGANISM: Homo sapiens	
241 - 400 - SEQUENCE: 19 241 - 400 - SEQUENCE: 19 242 groupgutca catgodaagg agacagooto agaagotatt atgoaagotg gttocagggato	60
	120
244 aagocaggad aggodddfgt adtrycdato tabyddan 246 ddagaddgat totolggotd dagotdagga aadadagott dottgaddat dadtgggadt 246 ddagaddgat totolggotd dagotdagga aadadagga adagdagtgg tgaadat	130
146 ccagacogat tototoggoto cagetoagga adducting	237
146 ccagacogat tototoggoto cagetoagga adoutely 148 caggoggaag atgaggetga ctattactgt aacteceggg acageagtgg tgaacat	
251 K210 - SEQ ID NO: 20	
252 - 211 - LENGTH: 36	
253 K212 MITYPE: DNA	
254 · 213 · ORGANISM: Homo sapiens	
256 · 400 · SEQUENCE: 20	36
357 gtggtattog goggaggad daagotgado gtoota	
260 -210 - SEQ ID NO: 21	
261 k211 - LENGTH: 246	
262 - 210 TYPE: DNA	
263 < 213 · OPGANISM: Homo sapiens	
	60
- Law abandadi dalah ludud debabasa	120
266 atcaccatot congcacing adecageage gargerss. S 268 taccaacage acceaggeaa ageocecaaa cheatgathi atgaggicag taageggeec 268 taccaacage acceaggeaa ageocecaaa cheatgathi atgaggica congacaate	130
	240
270 teaggggttt etaategett etelliggetee dageologge geteatatge aggtagtage 272 telligggetee aggetgagga egaggetgat tattactget geteatatge aggtagtage	246
274 actito	
277 - 210 - SEQ ID NO: 22	
278 <211 · LENGTH: 041	
279 - 112 - TYPE: DNA	
280 0213 OFGANISM: Homo sapiens	
	60
a sarcancont the Ludda deconomic	
267 teagggettt etaategett testgeetee dagteeggen opgande geleatatge aagtegtgae 289 tetgggetee aggetgagga egaggetgat tattactget geleatatge aagtegtgae	241
291 a	
294 <210 - SEQ ID NO: 23	
295 <211 > LENGTH: 38	
296 + 212 + TYPE: DNA	
297 - 013 - ORGANISM: Homo sapiens	
644 JACO - SEOUENCE: 23	38
300 ogtgagtatt ogacggaggg accaacctga ccgtccta	
303 - 210 - SEQ ID NO: 24	
304 - 211 - LENGTH: 31	
305 - 212 - TYPE: DUA	
C> 306 <213> ORGANISM: Artificial	
AND TOO FEATURE:	
30% - 225 - OTHER INFORMATION: Primer	
$_{211}$, $_{400}$ sequence: 24	31
311 aattetaaaa stacaaactg ceeeceeat g	

18

22



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315 <2100 SEQ ID NO: 25 316 -211 - LENGTH: 21

317 - 21.1 - TYPE: DNA

C--> 318 <213> ORGANISM: Artificial

320 - 220 - FEATURE:

321 - 123 - OTHER INFORMATION: Primer

323 - 400 / SEQUENCE: 25

21 324 dattetaada etacaaactg c

327 -210 - SEQ ID NO: 26

3.28 · 211 · LENGTH: 18 329 - 212 - TYPE: DNA

C--> 330 <213> ORGANISM: Artificial

332 - 220 - FEATURE:

333 - 223 - OTHER INFORMATION: Primer

335 - 400 - SEQUENCE: 26 336 etccegggta gaagtcac 339 K210 SEQ ID NO: 27

340 <211 > LENGTH: 22 341 -212 - TYPE: DNA

C--> 342 <213> ORGANISM: Artificial

344 < 220 > FEATURE:

345 <223 > OTHER INFORMATION: Primer

347 -400 > SEQUENCE: 27

348 aattogtgtg goottgttgg ct

VERIFICATION SUMMARY

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